United States Department of Agriculture
Natural Resources Conservation Service
MLRA 11 Office, Indianapolis, Indiana
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First Amendment of the Classification and Correlation of the Soils of Delaware County, Indiana

This first amendment was prepared by Gary R. Struben, Soil Data Quality Specialist, MLRA Region 11, Indianapolis, Indiana.

Page 3, Field Symbol FexB2, FoB2, FsB2-Add Field Symbols of FoB and FoB3

Page 4, Field Symbol GlyB3, GnB3-Add Field Symbol of MyB3
Field Symbol LneAH, BgA, BgB, AuA, BgB2, DoA, WdA -Change Publication Symbol from LneAH to LneAW
Field Symbol LshC3, LpC3, LtC3-Add Field Symbols of MmC3 and MrC3

Page 5, Field Symbol LteE, HnE, MyE2-Add Field Symbol of HeE
Field Symbol LteG, HnG, RoG-Add Field Symbol of HeG
Field Symbol MecA, MgA-Add Field Symbol of MeA
Field Symbol MecB, MgB2, TwB2, ApB, MgB, ShB2, TuB2-Add Field Symbol of MeB
Field Symbol MmcB2, MkB2, WuB, WuB2, MkA-Add Field Symbol of MkB

Page 6, Field Symbol MumC2, MyC2-Add Field Symbol of RcC2
Field Symbol MvxA, MoA-Add Field Symbol of MlA

Page 7, Field Symbol RrwB, RcA, RcB-Change Approved map unit name from Royerton loam, 1 to 5 percent slopes to Rawson loam, 1 to 5 percent slopes

Page 8, Field Symbol SvsE2, SxE2, SvE, SvD2-Add Field Symbols of MmD2 and SvE2
Field Symbol Uaz, Uh-Add Field Symbol Ucu and change Publication Symbol from Uaz to Ucu and change Approved map unit name from Udorthents, sandy to Udorthents, loamy-skeletal

Page 9, Field Symbol WbgC3, SvC3, SvC2, SwC3, SvD2, SwD3-Add Field Symbols of MpC3 and SxC3
Field Symbol Wcp, w, water-Add Field Symbol W and change Publication Symbol from Wcp to W and change Approved map unit name from Water, noncensus to Water
Field Symbol Wct, w, water-Add Field Symbol W and change Publication Symbol from Wct to W and change Approved map unit name from Water, census to Water
Field Symbol WdrA, RmA-Add Field Symbol of CaA
Field Symbol WonA, WuA-Add Field Symbol of TwA

Page 10, Under Series Established by this Correlation and County of Type Location,
Delete ROYERTON (Delaware Co.)

Page 11 Add Levees, single side slope (LVS) to the Cultural Features on the NRCS-SOI-37A.

Page 11 and 12, Delete the following Conventional and Special Features from the NRCS-SOI-37A and Definitions: Levees, without road, Levees, with road, MAR-Marsh or swamp and GRA-Gravelly spot.

Page 14 and 15, For Field Symbol w, change the Publication Symbol from Wcp and Wct to W.
For Field Symbol water, change the Publication Symbol from Wct and Wcp to W.
For Field Symbol AuA, change the Publication Symbol from LneAH to LneAW.
For Field Symbol BgA, change the Publication Symbol from LneAH to LneAW.

For Field Symbol BgB, change the Publication Symbol from LneAH to LneAW.
For Field Symbol BgB, change the Publication Symbol from LneAH to LneAW.
Add Field Symbol CaA with Publication Symbol of WdrA.
For Field Symbol DoA, change the Publication Symbol from LneAH to LneAW.
Add Field Symbol FoB with Publication Symbol of FexB2.
Add Field Symbol FoB3 with Publication Symbol of FexB2.
Add Field Symbol HeE with Publication Symbol of LteE.
Add Field Symbol HeG with Publication Symbol of LteG.
For Field Symbol LneAH, change the Publication Symbol from LneAH to LneAW.
Add Field Symbol MeA with Publication Symbol of MecA.
Add Field Symbol MeB with Publication Symbol of MecB.
Add Field Symbol MkB with Publication Symbol of MmcB2.
Add Field Symbol MlA with Publication Symbol of MvxA.
Add Field Symbol MmC3 with Publication Symbol of LshC3.
Add Field Symbol MmD2 with Publication Symbol of SvsE2.
Add Field Symbol MpC3 with Publication Symbol of WbgC3.
Add Field Symbol MrC3 with Publication Symbol of LshC3.
Add Field Symbol MyB3 with Publication Symbol of GlyB3.
Add Field Symbol RcC2 with Publication Symbol of MumC2.
Add Field Symbol SvE2 with Publication Symbol of SvsE2.
Add Field Symbol SxC3 with Publication Symbol of WbgC3.
Add Field Symbol TwA with Publication Symbol of WonA.
For Field Symbol Uaz, change the Publication Symbol from Uaz to Ucu.
For Field Symbol Uh, change the Publication Symbol from Uaz to Ucu.
Add Field Symbol W with Publication Symbol of W.
For Field Symbol Wcp, change the Publication Symbol from Wcp to W.
For Field Symbol Wct, change the Publication Symbol from Wct to W.
For Field Symbol WdA, change the Publication Symbol from LneAH to LneAW.

Page 16, In Classification of Pedons Sampled for Laboratory Analysis, make the following changes in the Pub-sym column:
The footnote should be removed for the following pedons: S91IN035-6, S91IN035-2, S90IN035-6, S91IN035-4, S91IN035-5 and S91IN035-3.
For pedons S90IN035-3 and S91IN035-7, change the footnotes from c to b.
For pedon S90IN035-4 change the Pub-sym from HtbAu to HtbAU.
For pedon S90IN035-6, change the Pub-sym from MmcBz to MmcB2.

Pages 17-20, Make the following changes in Notes to Accompany in alphabetical order:

CASCO SERIES The typical pedon is from Delaware County, Indiana instead of Sheboygan County, Wisconsin. The Casco soils in Delaware Co. are taxadjuncts because they average more than 35 percent clay in the particle-size control section. They classify as Fine over sandy or sandy-skeletal, mixed, superactive, mesic Inceptic Hapludalfs.
DEL REY SERIES The typical pedon is from Wells County, Indiana instead of Iroquois County, Illinois.
ELDEAN SERIES The typical pedon is from Henry County, Indiana instead of Miami County, Ohio.
FOX SERIES The typical pedon is from Delaware County, Indiana instead of Ozaukee County, Wisconsin.
MILFORD SERIES The typical pedon is from Delaware County, Indiana instead of Iroquois County, Illinois.
MILLGROVE SERIES The typical pedon is from Delaware County, Indiana instead of Wood County, Ohio.
MUSKEGO SERIES The typical pedon is from Elkhart County, Indiana instead of Ozaukee County, Wisconsin.
OCKLEY SERIES The typical pedon is from Rush County, Indiana instead of Carroll County, Indiana.
PELLA SERIES The typical pedon is from Delaware County, Indiana instead of Iroquois County,

Illinois.
PEWAMO SERIES The typical pedon is from Delaware County, Indiana instead of Washtenaw County, Michigan.
RAWSON SERIES See notes for the Royerton Series. The typical pedon is from DeKalb County, Indiana (OSD).
ROYERTON SERIES The Royerton Series is being made inactive, because the concept of the Rawson Series has been revisd to incorporate the range of the Royerton Series. Detailed analysis of the clay contents of the till members in which these soils have been formed indicates two series cannot be consistently separated.

Page 21, Replace the Classification of the Soils in the original correlation document with the following table, which updates the classification to the *Eighth Edition of Keys to Soil Taxonomy*:

SOIL SURVEY OF DELAWARE COUNTY, INDIANA
CLASSIFICATION OF THE SOILS

An asterick (*) in the first column indicates that the soil is a taxadjunct to the series.

Soil name	Family or higher taxonomic class
Bellcreek	Fine, smectitic, mesic Fluvaquentic Endoaquolls
Belmore	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Benadum	Fine-silty, mixed, active, nonacid, mesic Thapto-Histic Fluvaquents
Blount	Fine, illitic, mesic Aeric Epiaqualfs
*Casco	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Inceptic Hapludalfs
Crosby	Fine, mixed, active, mesic Aeric Epiaqualfs
Del Rey	Fine, illitic, mesic Aeric Epiaqualfs
Digby	Fine-loamy, mixed, active, mesic Aeric Endoaqualfs
Eel	Fine-loamy, mixed, superactive, mesic Fluvaquentic Eutrudepts
Eldean	Fine, mixed, superactive, mesic Typic Hapludalfs
Fox	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Typic Hapludalfs
Gessie	Fine-loamy, mixed, superactive, mesic Fluventic Eutrudepts
Glynwood	Fine, illitic, mesic Aquic Hapludalfs
Haney	Fine-loamy, mixed, active, mesic Aquic Hapludalfs
Houghton	Euic, mesic Typic Haplosaprists
Lash	Coarse-loamy, mixed, superactive, mesic Fluventic Hapludolls
Lickcreek	Fine-loamy, mixed, active, mesic Typic Argiudolls
Losantville	Fine, mixed, active, mesic Oxyaquic Hapludalfs
Lybrand	Fine, illitic, mesic Typic Hapludalfs
Martinsville	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Miami	Fine-loamy, mixed, active, mesic Oxyaquic Hapludalfs
Miamian	Fine, mixed, active, mesic Oxyaquic Hapludalfs
Milford	Fine, mixed, superactive, mesic Typic Endoaquolls
Millgrove	Fine-loamy, mixed, superactive, mesic Typic Argiaquolls
Mississinewa	Fine, illitic, mesic Aquic Hapludalfs
Morley	Fine, illitic, mesic Oxyaquic Hapludalfs
Mountpleasant	Fine, mixed, active, mesic Typic Hapludalfs
Muncie	Fine, mixed, active, mesic Typic Hapludalfs
Muskego	Coprogenous, euic, mesic Limnic Haplosaprists

Ockley---------- | Fine-loamy, mixed, active, mesic Typic Hapludalfs
Pella----------| Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Pewamo--------| Fine, mixed, active, mesic Typic Argiaquolls
Rawson---------| Fine-loamy, mixed, active, mesic Oxyaquic Hapludalfs
Rensselaer---- | Fine-loamy, mixed, superactive, mesic Typic Argiaquolls
Ross----------| Fine-loamy, mixed, superactive, mesic Cumulic Hapludolls
Shoals---------- | Fine-loamy, mixed, superactive, nonacid, mesic Fluvaquentic Endoaquepts
Sloan----------| Fine-loamy, mixed, superactive, mesic Fluvaquentic
| Endoaquolls
Southwest----- | Fine-silty, mixed, superactive, nonacid, mesic Typic
| Fluvaquents
Strawn---------- | Fine-loamy, mixed, active, mesic Typic Hapludalfs
Treaty----------| Fine-silty, mixed, superactive, mesic Typic Argiaquolls
Udorthents-----| Loamy-skeletal, mixed, active, calcareous, mesic Typic Udorthents
Udorthents-----| Loamy, mixed, active, calcareous, mesic Typic Udorthents
Wapahani------| Fine-loamy, mixed, active, mesic Oxyaquic Hapludalfs
Wawaka--------| Fine-loamy, mixed, active, mesic Typic Hapludalfs
Williamstown--| Fine-loamy, mixed, active, mesic Aquic Hapludalfs

Pages 22-24, Changes in the join statements will be maintained in the respective county case files at the Indianapolis NRCS State Office.

Approval Signatures and Date

_____ _____
Travis Neely Date
Soil Survey Area 11
Team Leader
Indianapolis, Indiana

_____ _____
Jane E. Hardesty Date
State Conservationist
Indianapolis, Indiana